

Notice of Allowability

Application No.

Applicant(s)	
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09/710,665

LEE ET AL.

Examiner

Art Unit	
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Burton S. Mullins

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

ing allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the applicant upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

All claims be
herewith (or p
NOTICE OF A
of the Office o

communication is responsive to amendment filed 15 July 2003.

1. ☒ This claimed claim(s) is/are 1,4 and 8.
2. ☒ The allowings filed on _____ are accepted by the Examiner.
3. ☐ The draw/dgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
4. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 b) ☐ Some* c) ☐ None of the:
 a) ☐ All
 Certified copies of the priority documents have been received.
 1. ☐ Certified copies of the priority documents have been received in Application No. _____.
 2. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the
 3. ☐ International Bureau (PCT Rule 17.2(a)).
 Copies not received: _____.
- * Certified copies of the priority documents have been received in Application No. _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 The translation of the foreign language provisional application has been received.
 (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached to Paper No. ____.
- (b) ☒ including changes required by the proposed drawing correction filed 15 March 2002, which has been approved by the Examiner.
- (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. ____.

Identifying indicia such as the applicant's name and application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ **DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.**

Attachment(s)

- ☐ Notice of References Cited (PTO-892) ☐ Notice of Informal Patent Application (PTO-152)
☐ Notice of Draftperson's Patent Drawing Review (PTO-948) ☐ Interview Summary (PTO-413), Paper No. _____.
☐ Information Disclosure Statements (PTO-1449), Paper No. _____. ☐ Examiner's Amendment/Comment
☐ Examiner's Comment Regarding Requirement for Deposit ☒ Examiner's Statement of Reasons for Allowance
of Biological Material ☐ Other

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examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 308-1371. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 308-0956.



Burton S. Mullins
Primary Examiner
Art Unit 2834

bsm
25 September 2003

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The prior art does not teach the claimed composite squirrel cage rotor including, inter alia, an inner core having high magnetic permeability disposed between the rotor shaft and the rotor polymer resin body. Yamada teaches a laminated core 15, but it is not disposed between a shaft and a polymer resin body but between shaft 5 and a sheet of plastic magnetic material 11 (Fig. 2). Yamada's invention is directed to the use of the plastic magnetic sheet material 11 to improve anisotropy (c.2, lines 53-60) and efficiency (c.4, lines 9-38). There is no discussion in Yamada regarding benefits of the core 15 which would lead one to combine such a core with the admitted prior art to form an "inner core" between the admitted prior art's shaft 21 and resin body core 22. Indeed, Yamada's core 15 functions in the same manner as the admitted prior art resin body "core" 22 which includes iron powder. There is no suggestion to form an "inner", secondary core.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Burton S. Mullins whose telephone number is 305-7063. The examiner can normally be reached on Monday-Friday, 9 am to 5 pm. If attempts to reach the